

## Nu-Metrics Traffic Analyzer Study

### Computer Generated Summary Report

City: between Richardson and  
Mclean

Street: Cedar Ave. #10 Red

A study of vehicle traffic was conducted with HI-STAR unit number 6162. The study was done in the East Bound lane on Cedar Ave. using counter #10 Red as shown on attached drawing. The counter was placed between Richardson and Mclean. The study began on 01/20/2004 at 12:00 PM and concluded on 01/23/2004 at 12:00 PM, lasting a total of 72 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 851 vehicles passed through the location with a peak volume of 31 on 01/23/2004 at 07:00 AM and a minimum volume of 0 on 01/21/2004 at 01:00 AM. The AADT Count for this study was 284.

#### SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1							
0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	20	72	223	261	102	20	21

At least half of the vehicles were traveling in the 25 - 29 mph range or a lower speed. The average speed for all classified vehicles was 25 mph with 56.1 percent exceeding the posted speed of 25 mph.

The HI-STAR found 5.70 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 25 mph and the 85th percentile was 31.72 mph.

#### CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2							
0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
691	19	8	1	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 710 which represents 98.70 percent of the total classified vehicles. The number of Small Trucks in the study was 8 which represents 1.10 percent of the total classified vehicles. The number of Trucks/Buses in the study was 1 which represents 0.10 percent of the total classified vehicles. The

number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

### **HEADWAY**

During the peak time period, on 01/23/2004 at 07:00 AM the average headway between the vehicles was 112.5 seconds. The slowest traffic period was on 01/21/2004 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

### **WEATHER**

The roadway surface temperature over the period of the study varied between 19 and 42 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.